O28U O1PE

Serial Number: 10|001,887

CRF Processing Date: 12|12|01
Edited by: _____
Verified by: _____ DC _____ (STIC sta

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

ENTERED #2

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

$\rho.5$

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/001,887

DATE: 12/17/2001
TIME: 12:39:26

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12172001\J001887.raw

```
  3 <110> APPLICANT: Salceda, Susana
  4         Macina, Roberto
  5         Recipon, Herve
  6         Cafferkey, Robert
  7         Sun, Yongming
  8         Liu, Chenghua
 10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
and Proteins
 12 <130> FILE REFERENCE: DEX-0269
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/001,887
C--> 14 <141> CURRENT FILING DATE: 2001-11-20
 14 <150> PRIOR APPLICATION NUMBER: 60/249,998
 15 <151> PRIOR FILING DATE: 2000-11-20
 16 <150> PRIOR APPLICATION NUMBER: 60/252,563
 17 <151> PRIOR FILING DATE: 2000-11-22
 20 <160> NUMBER OF SEQ ID NOS: 137
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 1632
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Homo sapien
 29 <400> SEQUENCE: 1
 30 ggtcgcggcc gaggtccttc cccttttttt ttttttttttt ttttttttttt tttttttgggt    60
 32 ccaaatttac gggttttttt tttgggcaca ataaaaacac tctaaaatct ttttttccac   120
 34 acccttttttt ttttaaattt tgcgcacacg gggtgtattt ttgttccaca caaaacatct   180
 36 attcacattg tgtttacacc ctcttatttt ctttgagaaa accacaacat attttatttta   240
 38 aatattgtgt ttgtgtcttc tctaaaaacg cctcttattc cctctcccac gtttctcaat   300
 40 ctctttgtgt atattgtgtg tatatttaaa gcacacataa gagatgttat attgtgtgtg   360
 42 tgcacactac tctctctatg ttcaacacac acacacatat atatacccct ctatgggaca   420
 44 catatatata aacaatatat gtgatgacac acacagatct gttatgtgac actatttctc   480
 46 acacacatat ataaagtcta tctctcttct aatatatctc acggtgtata tatcacagtg   540
 48 tattcatcac aggaaatata tatgtgtgtg ctcggcccgc tctatatata tatacactac   600
 50 atatataaca catatatcta taacatctgg tgtatgtggg cttaaaacac gacatataat   660
 52 atatcatgtt atatctaccc acacaggata tgtgtgtaca cacaaagagg gagaagataa   720
 54 tatgtgtata tctctcccct actctctcta aacaacctcc cctctatata cacacaggtg   780
 56 tgtagagaaa gtagttataa ggggagttgt tttcgtgttc tacaaagggg cgcagaacag   840
 58 taacaaatac tgttgtgagg gtgtcgttct catctatcaa tattttccac agctaatatt   900
 60 tcccgcgggt gtatataata tctagagggg agggcaatcg tgggcgtcgt attctcatgt   960
 62 gggagagtaa taatgtcggc tctcttaaag ggggtggttg tagaacccccc ctccctataa  1020
 64 tagtaaaaga tgtttaacac agccaacggg tggctgcttg ttgatgacat aatatcgcac  1080
 66 caccaaatgt gggtgtggtg ggggaggcaa ctacacgacg gagacaaaca aattgcggcg  1140
 68 ggtggcggcc gcccgattct gtatttattc gaacgccgcg cctgtgttgt gttgtgcggc  1200
 70 aactatctgc gcctacttgc ttgctcacca aacaataata tataggcggg agcgggtgct  1260
 72 ggcgaggaga gacacacacg tctttcccccg ccgaacaaac aaaacagagg gggcggatga  1320
 74 ctgacgcctg attgtataga aacaaaaacg atcgaacgac gaaggcaacg atccgtctat  1380
 76 tgcgacgtca gacaacgcgc gcctccttct cttccagggg gggggggata gatacttagg  1440
 78 gtagatacta ccgtagtagt atttgtgcgc ggcagcacac gacgaaagac ttactcagag  1500
 80 agtgtctccc ccacccaagg aggtagaaat gaagtgggga ggacgactac ttctacaaac  1560
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/001,887

DATE: 12/17/2001
TIME: 12:39:26

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12172001\J001887.raw

```
 82 ataagtaagg gggggtgata ataacgaggg gcgctcagac aacggaggtt ctattacatc    1620
 84 tgtgcgcgcc ga                                                        1632
 87 <210> SEQ ID NO: 2
 88 <211> LENGTH: 163
 89 <212> TYPE: DNA
 90 <213> ORGANISM: Homo sapien
 92 <400> SEQUENCE: 2
 93 gagagaacac taggggcagg ttcctgagca ggcggcggcg ctgggaggag aatgtatgcg      60
 95 agacctctta tataattgat tgacgcaaac ttgtcctcct ctaagaggag agagtctgct     120
 97 taagcgtaag tttgccagtg caaaaagcca taataataag tat                       163
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 666
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapien
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (166)..(166)
108 <223> OTHER INFORMATION: a, c, g or t
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <222> LOCATION: (332)..(332)
114 <223> OTHER INFORMATION: a, c, g or t
117 <400> SEQUENCE: 3
118 cttttatttt tttttttttt tttttttttt tttttttttt tttttttccc tttttttaatt     60
120 ttaaaattag gcccacgggg gggattttta taaacctcta tttattttcc aacaaatttt     120
```
W--> 122 gtggtccaaa tataaaactc attttttttct accttacaca acttgncctt ctttattctc   180
```
124 atttttaaat gatggatata cctcacaact ctctgcgtct caaaccaaat tcttttttttc    240
126 ttaaacagtg acgcgtggta aactctccta taccettatc tatttccccc gcggtgggaa      300
```
W--> 128 aaattagcct tttcaaaatg tgttctcccc antcttgtgg cttattaaaa ggtggggaat   360
```
130 tccctttctt tgtgggacgc ccctatactg tttgtctctg gctctccttt taggcccgag      420
132 gagaatttct tcctcccagg tgagagagag gcgggtttca ccgcagtata taaaccgcca     480
134 aagctggggc ggatacgtcg gtggtccact agccgtgttc cccttggttg tgaaaatttg     540
136 ttattcccgc cctcacaatt ctccccccca aatactccac ccaccccaac ccgcagcgga     600
138 gtacggacaa cgacgacacc acgacgataa tacgaacaaa gcaacctaac atcgaacact     660
140 acacaa                                                              666
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 1107
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapien
148 <400> SEQUENCE: 4
149 cccccccccc ccccctcctc ccgatgtgtt caccctatag ggcgcaattg ggcctctaga      60
151 ttctgctcga gcggcgcagt gtgatggatc ggccgcccgg gcaggttttt tttttttttt     120
153 tttttttttt tttttttttt tttttttttt tttttttttt tttttgggg gggcccccctt     180
155 tttttttccc ccccccccc ccttttttttt ttccgggggg ggggccccta ctaaagacag     240
157 ccggctaccg aaaaaaatac acctagggtt tattttcacc cccaatcacc atggttgtcg      300
159 acccccccag ggggggctct ctttcttttt cccaactctc ccaaccgacg tggttttcct     360
161 cccccctacc gtcgtggggg gtaccccgtg cgccacagtc ggtgtgttcc cgctgtgtgg     420
163 taggaaagtg tgtttctctc ccgcctcacc gaccttcttc ccacccacac aaacatatgc     480
165 agcagcgcca agaacacaaa ctcgttccga ccggacggcc cggacggaac gggcgatgtg     540
```

```
167 aggctcgacg caaccatatg caagggacgg catcacagag cccgaccagg atcgcagcca    600
169 gcgatcgcac ggacgaacag cgcatcgcgc cgccgcacca cccacccggc ccgcaggggg    660
171 agatcaatac atgcggccgt gcagcctcca agggcccaac caccaagctc ggcgcggaat    720
173 caggacggac catgacgcac accgaacgac gaagaccaaa gcaacatctc gccacgaacg    780
175 cccaaagacc gcgattgcac aggcacccaa cgtgtatccg aaggatgagc gactgacacc    840
177 aacacacctg tggcctgcct tgatgctgca cggcgcgaaa cggagatcct gccggtcgtc    900
179 gccacgcgta cccacagaaa gccaacaagc gacacgacac cacaacacac cgaagcagct    960
181 cacggaggaa gagatgcaaa gaacaacgac aaatgaacac aaaaaacgac cacaaacaga   1020
183 gatgagtaca accgacaaac aaaaaaagca agactcaaac acacaccgag cagtaagtgc   1080
185 gatacagcaa agagaccaga caaccaa                                       1107
188 <210> SEQ ID NO: 5
189 <211> LENGTH: 720
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapien
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (364)..(364)
196 <223> OTHER INFORMATION: a, c, g or t
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (429)..(429)
202 <223> OTHER INFORMATION: a, c, g or t
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (459)..(459)
208 <223> OTHER INFORMATION: a, c, g or t
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (637)..(637)
214 <223> OTHER INFORMATION: a, c, g or t
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (654)..(654)
220 <223> OTHER INFORMATION: a, c, g or t
223 <400> SEQUENCE: 5
224      ccgcccgggc aggtccctcc tttttttttt tttttttttt tttttttttt ccttttttaa     60
226      aaaatattaa ctttgttttt taatcattgg gagggggggc cccgaagaag ggggtagggg    120
228      ccccagggaa ggggggggtc tgtgaaaata ataaccaaaa atgtgttgaa agaaaagggg    180
230      gggtgtttaa aagcggccgt ggccagggg tctcccccgg gttctcgctt tctgtgggaa    240
232      ggggacgcgc cttgtgagga agggagttct gtatgcaacg cctattagtc ttggtgcctc    300
234      ccaattcact attataaaaa atttctgtga aaacttctta gcttgcccat ctcgggtggt    360
W--> 236 gggntgtctc tagttctttc tcatctcatg tgcgggccag aggcacccca gggggctcct    420
W--> 238 ctcgtagcnt cctgtggtgg aaaggggaca gccatagtnt cgcgtgatat ctctcatgta    480
240      aatagcgctg gggggcgtat aaactcgtgt gggggcacat atagcgcgtg tgttgccgcg    540
242      tgggtgaggt ggaagcatgt gtgggttttc tgtgcgcgcg cctcacacat attacccccc    600
W--> 244 aacaactcat tacgtggtaa agcaaaaaag cgatgtntgg cagtgagcag gganaacggg    660
246      gtcacaagta gtacaaacaa gcaaagctga atgacaaaaa aacgaggtga aaaaaagaa    720
249 <210> SEQ ID NO: 6
250 <211> LENGTH: 927
```

```
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapien
254 <400> SEQUENCE: 6
255 atggggaccc tctgagtgtc caacaatctc tgaggcagca tcccagcctc ctctctctcc    60
257 cagcctgtct gtaactggtg aatggtgatg tgtttcctgg ctgagaactg tgtttacagt   120
259 aagtctctgc cctccagtga acttttttaag ggcaggagcc atctttgtaa gcccagcact   180
261 tgcctgggca ccagacacat gtagtatgtt ttcagtaatc gtggctgttc actagctgct   240
263 tgattgaaca ttatttgtgt gtaataatgt cattaaatta tgagaaaata aatacttagc   300
265 aattgaaaaa aaaaaaaaaa aaaaaaaaaa aggcgtgggg gaaaacgggg ccaagcgtgt   360
267 aacccgggtg gggaaaagtg ggtataccgc ggccccaaaa tgtcccccac ctcaccaata   420
269 gcgccagcca caaggagaga cggagcacac agccaacaat gagcagagca acgacaacag   480
271 aaaagagacc aaagcagaac acagacgaag gacccgacag caacaagaga gaccaccaga   540
273 agtgaagcga cagcgacgaa acagagcacg agcaacgaaa cgcaacagca aagagcagca   600
275 aaagcgtcag agacgaaagg ccgacagccg ggaatagaag gaaggcacag gcaacgccgt   660
277 gagccgacac aagaccaggg tgcgacacca agagccagca cagcgagtga aacagaagcg   720
279 agaagcgaaa aaaaaggacg cagcagacgg cagctggaag gcggacgaga cggagactga   780
281 gacgcagcac ggcggcgcgc gcacgggccg cggagtaggg agaacacgag aaagagcaga   840
283 caagcaccag caggggaggaa agaaacagcg cagaaggccc cgaccggcac gagccgacaa   900
285 gacacgccga acacacggac ggcagag                                        927
288 <210> SEQ ID NO: 7
289 <211> LENGTH: 451
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapien
293 <400> SEQUENCE: 7
294 tttttttttt tttttttttt tttttttggg ggccaaaatc cgggcttata ttttgggcca    60
296 aaggaaaccg gctaaaattt attcccaagc cttttgtgtt taaggttggc aagggggtt    120
298 ttggtcccca aaaccccttc cagttgtgtt aacccactta ttttattggg gaaacaacca   180
300 aatattatta ttacaaattg ggtggggcgt ctaaaaaacg cccaattccc ccccaaggtc   240
302 taaacctctt ggtgacattg gggaattatt tatgcgcaaa tggaagagtt atttgggggt   300
304 gatcactcct aatgttaaac cagagcgaca gagatatacg catctagagg gcgaagaata   360
306 aaaaaatggg cgcaggatct gtatgcgcaa ttatcccaga ataacgtttc cttaaatata   420
308 caggtatcca gcccccaaag taggggggcg c                                   451
311 <210> SEQ ID NO: 8
312 <211> LENGTH: 651
313 <212> TYPE: DNA
314 <213> ORGANISM: Homo sapien
316 <400> SEQUENCE: 8
317 gcccgggcag gtcccctccc tttttttttt tttttttttt tttttttttt tttggtaggg    60
319 gaaaattttt tttttaagg ggtttccca aaaaaaaaat ttttcaggga ataaaaaata   120
321 aaatctttaa aatttttccc ggtttttattt tccccccccc cccccaaaag ctttttgggg   180
323 aaaaaaaaaa tttcagtcta aaaacacccc tggatttgtc ggtgggcgga tcaagagagg   240
325 tggacagaat tagtctgccc tcctctcaca acagacaact cctcgtgtgg ggtgtggtcc   300
327 tccctctcag agggagaggg gagtgggaag tgccgcctcc cacatattca cttgttgggt   360
329 gcaagggggac gagataaaaa aaaacggcgg ggcgggaaca ctcaggaggc gccatcatgc   420
331 gtgtgtccgc cgttgtgtgt gagaaaatgt ggtgtctacc gccgcgcgcc acaaatatct   480
333 cccacacaca aatatatcga gcgcaaacga acaacgggag gaggcggagc agccgacgaa   540
335 cacggagcag ggcaggtgag gaaaagcccg ggcaaacagg agacacagga agcaaccgaa   600
337 gaggcgtaag ggatagaaag aaggacggga cgagagcaac gaaaagcgcg c             651
340 <210> SEQ ID NO: 9
```

```
341 <211> LENGTH: 103
342 <212> TYPE: DNA
343 <213> ORGANISM: Homo sapien
345 <220> FEATURE:
346 <221> NAME/KEY: misc_feature
347 <222> LOCATION: (6)..(6)
348 <223> OTHER INFORMATION: a, c, g or t
351 <400> SEQUENCE: 9
W--> 352 atggtngggt tggtctgcat tcagtgatgc aagtagggat ctttgcgtag gtcggtctga      60
354 agtgtggctt tatatttgat ccacacacgt ggtctttaa cca                           103
357 <210> SEQ ID NO: 10
358 <211> LENGTH: 452
359 <212> TYPE: DNA
360 <213> ORGANISM: Homo sapien
362 <400> SEQUENCE: 10
363 tggtcgcggc gaggtaccta tttcatgaca aaataggcag ttttaaaaga ataaacaagc         60
365 taggtgtggt ggctcatgcc tgtaatccta gcactttggg aagccaaagc tgatggatcg        120
367 cttgagccca ggagtttgag accagcctgg gcaacatggc aaaaccccat ctctacaaaa        180
369 aatacaaaaa gtaggccggg cacggtggtt cacacctgta atcccggcat tttgggaggc        240
371 cgagataggt ggatcacctg aagtcaggtg tttgagacca gcctggccaa catggtggaa        300
373 cccaatctct actaaaaata caaaaaaact agccggatat ggtggcgggt gcctgtaatc        360
375 tcagctactt gagaggctga ggcaggagaa tcgcttgaac ttgggagcag aggtgagctg        420
377 agtgcagtga gccaagacca tgccattaca ct                                       452
380 <210> SEQ ID NO: 11
381 <211> LENGTH: 576
382 <212> TYPE: DNA
383 <213> ORGANISM: Homo sapien
385 <220> FEATURE:
386 <221> NAME/KEY: misc_feature
387 <222> LOCATION: (318)..(318)
388 <223> OTHER INFORMATION: a, c, g or t
391 <400> SEQUENCE: 11
392 acgcctgtag tcccagctac tcaggaggct ggggcaggag aattgcttga acccaggagg         60
394 aagaggttgc agtgagccaa gatcatgcca catcactcca acctgggcaa cagaacaaga        120
396 acccatctca aacaaacaaa caaacaaaaa aaaaaaactc tggtctcctt aaggatatgt        180
398 taccggctcc atggcagact agagaattaa ttgtgtttgg aacccttta ccgtgcaaaa         240
400 ctgtgaaaat gtgctagaaa aacccaagac atgaacgaat taaattacct gtgggtggga        300
W--> 402 caacacaccg ggccttgntg ccttttgct ttattacatt ggctacagta agctaaggtt        360
404 tagaaaaggc taggcttggg ttggtattct ggaaccacat tggaatctcc ttttcggggc        420
406 gctcaggtgg taggagaagg gcaccacgcc caagattcct tattagggaa ttgaattacc        480
408 ttcaaatcct tggtgggtcc tggaagattc tctataaggg aaacggattt taaaaacccc        540
410 acctggggtg cccattttt ttaaaacaaa aaaaac                                    576
413 <210> SEQ ID NO: 12
414 <211> LENGTH: 707
415 <212> TYPE: DNA
416 <213> ORGANISM: Homo sapien
418 <220> FEATURE:
419 <221> NAME/KEY: misc_feature
420 <222> LOCATION: (390)..(390)
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/001,887

DATE: 12/17/2001
TIME: 12:39:27

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\12172001\J001887.raw

```
L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:2280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:2857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:2859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:2861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:2863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:3465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:3592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:3649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:3698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:3700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:3721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:3901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:3903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
```

OIPE

RAW SEQUENCE LISTING   DATE: 12/12/2001
PATENT APPLICATION: US/10/001,887 TIME: 14:20:51

Input Set : A:\DEX-269.ST25.txt **Does Not Comply**
Output Set: N:\CRF3\12112001\I001887.raw **Corrected Diskette Needed**

  3 <110> APPLICANT: Salceda, Susana
  4   Macina, Roberto
  5   Recipon, Herve
  6   Cafferkey, Robert
  7   Sun, Yongming
  8   Liu, Chenghua
 10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
and Proteins
 12 <130> FILE REFERENCE: DEX-0269
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/001,887
C--> 14 <141> CURRENT FILING DATE: 2001-11-20
 14 <150> PRIOR APPLICATION NUMBER: 60/249,998
 15 <151> PRIOR FILING DATE: 2000-11-20
 16 <150> PRIOR APPLICATION NUMBER: 60/252,563
 17 <151> PRIOR FILING DATE: 2000-11-22
 20 <160> NUMBER OF SEQ ID NOS: 137
 22 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

 5870 <210> SEQ ID NO: 137
 5871 <211> LENGTH: 56
 5872 <212> TYPE: PRT
 5873 <213> ORGANISM: Homo sapien
 5875 <400> SEQUENCE: 137
 5877 Met Leu Ala Glu Pro Ser Tyr Gly Pro Gln Ser Pro Pro Pro Pro
 5878 1   5   10   15
 5881 His Arg His Gly Leu Asn Gly Ser Pro Arg Phe Phe Leu Pro Arg Arg
 5882   20   25   30
 5885 Pro Ala Arg Ala His Pro Ser Gln Leu Arg Arg Ser Ser Ser Ile Arg
 5886   35   40   45
 5889 Gly Pro Ser Arg Leu Tyr Ile Asp
 5890 50   55
E--> 5893 1
E--> 5896 1
E--> 5899 1 — delete
E--> 5902 1

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/001,887

DATE: 12/12/2001
TIME: 14:20:53

Input Set : **A:\DEX-269.ST25.txt**
Output Set: **N:\CRF3\12112001\I001887.raw**

```
L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:2280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:2449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:2857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:2859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:2861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:2863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:3465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:3592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:3649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:3698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:3700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:3721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:3901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:3903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:5893 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:137
M:332 Repeated in SeqNo=137
```